

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014404.D
 Acq On : 23 Jun 2023 13:27
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY062323

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

Quant Time: Jun 23 17:23:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	278903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	375629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	203215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	165472	47.785	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.580%		
35) Dibromofluoromethane	7.716	113	126455	49.916	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.840%		
50) Toluene-d8	10.179	98	496512	49.304	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.600%		
62) 4-Bromofluorobenzene	12.483	95	174503	48.538	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	117355	45.330	ug/l	99
3) Chloromethane	2.113	50	120726	47.651	ug/l	100
4) Vinyl Chloride	2.247	62	133064	48.189	ug/l	95
5) Bromomethane	2.643	94	107386	44.261	ug/l	99
6) Chloroethane	2.790	64	88120	48.178	ug/l	99
7) Trichlorofluoromethane	3.119	101	265530	48.705	ug/l	99
8) Diethyl Ether	3.527	74	79677	47.935	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	124227	48.213	ug/l	96
10) Methyl Iodide	4.088	142	162351	47.811	ug/l	97
11) Tert butyl alcohol	4.966	59	108058	245.183	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	124060	48.284	ug/l	93
13) Acrolein	3.729	56	109841	237.536	ug/l	99
14) Allyl chloride	4.479	41	204084	49.733	ug/l	93
15) Acrylonitrile	5.161	53	229573	246.998	ug/l	99
16) Acetone	3.948	43	288302	264.586	ug/l	97
17) Carbon Disulfide	4.192	76	388193	48.821	ug/l	99
18) Methyl Acetate	4.479	43	178300	47.598	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	402338	50.910	ug/l	96
20) Methylene Chloride	4.716	84	155001	49.163	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	139758	49.469	ug/l	98
22) Diisopropyl ether	6.118	45	402793	49.393	ug/l	94
23) Vinyl Acetate	6.057	43	1097465m	263.584	ug/l	
24) 1,1-Dichloroethane	6.015	63	237506	49.046	ug/l	99
25) 2-Butanone	6.984	43	341004	251.261	ug/l	95
26) 2,2-Dichloropropane	6.978	77	247877	48.410	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	155562	48.914	ug/l	97
28) Bromochloromethane	7.332	49	99758	47.236	ug/l	85
29) Tetrahydrofuran	7.344	42	202827	250.635	ug/l	91
30) Chloroform	7.502	83	267864	49.036	ug/l	100
31) Cyclohexane	7.783	56	205677	48.087	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	258318	49.679	ug/l	99
36) 1,1-Dichloropropene	7.917	75	195402	50.053	ug/l	99
37) Ethyl Acetate	7.076	43	137412	51.074	ug/l	96
38) Carbon Tetrachloride	7.899	117	247082	50.294	ug/l	99
39) Methylcyclohexane	9.185	83	229183	51.026	ug/l	96
40) Benzene	8.161	78	554049	50.108	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	70214m	52.660	ug/l	
42) 1,2-Dichloroethane	8.240	62	208145	49.651	ug/l	100
43) Isopropyl Acetate	8.277	43	243344	51.223	ug/l	97
44) Trichloroethene	8.941	130	157395	49.580	ug/l	95
45) 1,2-Dichloropropane	9.215	63	130450	50.037	ug/l	100
46) Dibromomethane	9.307	93	87901	49.338	ug/l	96
47) Bromodichloromethane	9.496	83	207784	50.038	ug/l	100
48) Methyl methacrylate	9.295	41	114288	51.797	ug/l	96
49) 1,4-Dioxane	9.307	88	27329	981.036	ug/l #	62
51) 4-Methyl-2-Pentanone	10.069	43	700408	261.224	ug/l	98
52) Toluene	10.246	92	364143	51.184	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	228767	50.814	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	235750	50.768	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	120595	50.549	ug/l	95
56) Ethyl methacrylate	10.514	69	181514	53.275	ug/l	96
57) 1,3-Dichloropropane	10.788	76	203948	50.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	411144	257.616	ug/l	94
59) 2-Hexanone	10.831	43	546060	270.272	ug/l	98
60) Dibromochloromethane	10.990	129	161056	50.891	ug/l	99
61) 1,2-Dibromoethane	11.093	107	120464	50.715	ug/l	99
64) Tetrachloroethene	10.721	164	160760	50.293	ug/l	97
65) Chlorobenzene	11.520	112	388892	50.394	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	157968	50.817	ug/l	98
67) Ethyl Benzene	11.593	91	718383	52.278	ug/l	99
68) m/p-Xylenes	11.703	106	560322	104.397	ug/l	99
69) o-Xylene	12.032	106	265604	52.007	ug/l	100
70) Styrene	12.044	104	453500	51.809	ug/l	100
71) Bromoform	12.209	173	118936	51.769	ug/l #	99
73) Isopropylbenzene	12.331	105	708820	51.801	ug/l	100
74) N-amyl acetate	12.142	43	232047	53.547	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	151749	51.892	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	110630m	43.398	ug/l	
77) Bromobenzene	12.611	156	177344	49.846	ug/l	96
78) n-propylbenzene	12.672	91	854650	51.770	ug/l	98
79) 2-Chlorotoluene	12.758	91	486212	51.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	612648	51.757	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	58898	52.602	ug/l	96
82) 4-Chlorotoluene	12.855	91	509608	50.739	ug/l	99
83) tert-Butylbenzene	13.075	119	533809	52.603	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	608308	51.862	ug/l	100
85) sec-Butylbenzene	13.257	105	770540	52.507	ug/l	100
86) p-Isopropyltoluene	13.373	119	660448	51.981	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	350310	51.048	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	347585	50.382	ug/l	100
89) n-Butylbenzene	13.696	91	613808	52.873	ug/l	99
90) Hexachloroethane	13.965	117	121916	50.438	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	318467	50.834	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	33188	51.349	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	212108	52.113	ug/l	99
94) Hexachlorobutadiene	15.117	225	123070	50.337	ug/l	99
95) Naphthalene	15.239	128	471205	53.847	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	193751	52.279	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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