

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015097.D
 Acq On : 15 Aug 2023 12:41
 Operator : SY/MD
 Sample : VY0815SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0815SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/16/2023
 Supervised By :Mahesh Dadoda 08/16/2023

Quant Time: Aug 15 15:22:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	168458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	274171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	248609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126882	62.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.500%
35) Dibromofluoromethane	7.710	113	111231	63.062	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	126.120%
50) Toluene-d8	10.179	98	405931	61.823	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	123.640%
62) 4-Bromofluorobenzene	12.477	95	146446	61.065	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	122.120%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	18939	23.597	ug/l	96
3) Chloromethane	2.107	50	21707	19.226	ug/l	100
4) Vinyl Chloride	2.247	62	28336	21.139	ug/l	100
5) Bromomethane	2.619	94	22428	21.790	ug/l	93
6) Chloroethane	2.778	64	20735	21.305	ug/l	96
7) Trichlorofluoromethane	3.107	101	47396	20.984	ug/l	96
8) Diethyl Ether	3.521	74	17839	20.138	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.881	101	29252	20.838	ug/l	96
10) Methyl Iodide	4.082	142	23035	16.711	ug/l	99
11) Tert butyl alcohol	4.930	59	60682	177.574	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	23582	20.118	ug/l	85
13) Acrolein	3.723	56	25160	180.889	ug/l	95
14) Allyl chloride	4.466	41	39862	19.180	ug/l	94
15) Acrylonitrile	5.155	53	59565	99.223	ug/l	99
16) Acetone	3.942	43	67650	102.405	ug/l	95
17) Carbon Disulfide	4.180	76	37751	18.300	ug/l	98
18) Methyl Acetate	4.473	43	45719	18.885	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	99384	19.940	ug/l	94
20) Methylene Chloride	4.704	84	59167	36.159	ug/l	88
21) trans-1,2-Dichloroethene	5.204	96	26084	19.727	ug/l	96
22) Diisopropyl ether	6.112	45	100200	19.322	ug/l	95
23) Vinyl Acetate	6.051	43	290144	93.766	ug/l #	93
24) 1,1-Dichloroethane	6.003	63	55795	19.873	ug/l	95
25) 2-Butanone	6.978	43	94131	100.636	ug/l	95
26) 2,2-Dichloropropane	6.972	77	53976	19.943	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	36021	19.943	ug/l	99
28) Bromochloromethane	7.326	49	28989	22.474	ug/l	88
29) Tetrahydrofuran	7.338	42	53810	96.211	ug/l	91
30) Chloroform	7.496	83	63035	20.028	ug/l	99
31) Cyclohexane	7.783	56	39160	20.156	ug/l #	83
32) 1,1,1-Trichloroethane	7.698	97	55288	20.644	ug/l	98
36) 1,1-Dichloropropene	7.911	75	38943	19.957	ug/l	99
37) Ethyl Acetate	7.064	43	35635	19.591	ug/l #	96
38) Carbon Tetrachloride	7.893	117	47722	20.664	ug/l	99
39) Methylcyclohexane	9.179	83	43945	20.089	ug/l	91
40) Benzene	8.155	78	117905	19.985	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	17709m	18.881	ug/l	
42) 1,2-Dichloroethane	8.228	62	43989	20.531	ug/l	92
43) Isopropyl Acetate	8.265	43	65512	19.778	ug/l	97
44) Trichloroethene	8.935	130	35226	20.725	ug/l	95
45) 1,2-Dichloropropane	9.209	63	32830	19.734	ug/l	98
46) Dibromomethane	9.301	93	21713	20.694	ug/l	97
47) Bromodichloromethane	9.490	83	51412	20.534	ug/l	99
48) Methyl methacrylate	9.289	41	27878	19.675	ug/l	92
49) 1,4-Dioxane	9.295	88	8199	390.774	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	188759	98.327	ug/l	94
52) Toluene	10.240	92	79119	20.347	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	51326	19.506	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	55282	19.949	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	32408	20.313	ug/l	93
56) Ethyl methacrylate	10.508	69	44889	19.226	ug/l	92
57) 1,3-Dichloropropane	10.788	76	52271	20.054	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	133226	122.609	ug/l	92
59) 2-Hexanone	10.831	43	140760	99.072	ug/l	93
60) Dibromochloromethane	10.984	129	39169	20.582	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30353	20.027	ug/l	99
64) Tetrachloroethene	10.715	164	37107	21.424	ug/l	98
65) Chlorobenzene	11.514	112	92281	20.372	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	38047	20.701	ug/l	100
67) Ethyl Benzene	11.593	91	160033	20.164	ug/l	98
68) m/p-Xylenes	11.697	106	122146	40.522	ug/l	95
69) o-Xylene	12.026	106	60749	20.231	ug/l	97
70) Styrene	12.044	104	104273	20.064	ug/l	98
71) Bromoform	12.209	173	26690	20.032	ug/l #	99
73) Isopropylbenzene	12.325	105	164668	20.047	ug/l	99
74) N-amyl acetate	12.142	43	56773	19.144	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	42160	19.708	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	31517m	20.309	ug/l	
77) Bromobenzene	12.605	156	40170	20.063	ug/l	98
78) n-propylbenzene	12.672	91	196268	20.122	ug/l	98
79) 2-Chlorotoluene	12.758	91	113048	20.091	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	138980	20.298	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	12884	18.235	ug/l	99
82) 4-Chlorotoluene	12.855	91	116578	20.054	ug/l	98
83) tert-Butylbenzene	13.075	119	126641	20.222	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	138691	20.271	ug/l	99
85) sec-Butylbenzene	13.251	105	185590	20.225	ug/l	98
86) p-Isopropyltoluene	13.367	119	157662	20.724	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	80552	20.284	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	81759	20.527	ug/l	99
89) n-Butylbenzene	13.696	91	146081	20.365	ug/l	97
90) Hexachloroethane	13.959	117	29802	19.746	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	76694	20.673	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8378	20.217	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	48659	20.430	ug/l	98
94) Hexachlorobutadiene	15.111	225	27916	21.548	ug/l	97
95) Naphthalene	15.233	128	114004	19.215	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	43381	20.168	ug/l	99

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

