

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
 Data File : VY016081.D
 Acq On : 26 Oct 2023 15:53
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY102623

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

Quant Time: Oct 27 04:18:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	212557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	336986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	303320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111017	52.525	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.060%			
35) Dibromofluoromethane	7.716	113	112834	53.039	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.080%			
50) Toluene-d8	10.178	98	424997	53.933	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.860%			
62) 4-Bromofluorobenzene	12.477	95	147040	54.397	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	76028	51.827	ug/l	99
3) Chloromethane	2.113	50	91848	51.096	ug/l	97
4) Vinyl Chloride	2.247	62	106901	52.057	ug/l	97
5) Bromomethane	2.643	94	77574	50.822	ug/l	99
6) Chloroethane	2.790	64	71342	50.719	ug/l	97
7) Trichlorofluoromethane	3.119	101	166729	50.735	ug/l	99
8) Diethyl Ether	3.521	74	56751	51.523	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	100013	50.449	ug/l	96
10) Methyl Iodide	4.088	142	131529	51.924	ug/l	97
11) Tert butyl alcohol	4.948	59	55824	244.990	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	91800	50.542	ug/l	92
13) Acrolein	3.722	56	63990	243.080	ug/l	97
14) Allyl chloride	4.472	41	147443	51.930	ug/l #	92
15) Acrylonitrile	5.155	53	143200	265.017	ug/l	98
16) Acetone	3.942	43	144550	252.322	ug/l	90
17) Carbon Disulfide	4.186	76	255630	50.880	ug/l	100
18) Methyl Acetate	4.472	43	108609	53.621	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	276946	53.467	ug/l	99
20) Methylene Chloride	4.710	84	121391	55.011	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	107116	50.876	ug/l	96
22) Diisopropyl ether	6.112	45	326481	52.586	ug/l	92
23) Vinyl Acetate	6.051	43	893388	268.572	ug/l #	93
24) 1,1-Dichloroethane	6.008	63	191286	51.140	ug/l	97
25) 2-Butanone	6.978	43	199671	258.243	ug/l	94
26) 2,2-Dichloropropane	6.978	77	176021	50.622	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	127769	51.674	ug/l	93
28) Bromochloromethane	7.325	49	81198	53.063	ug/l	93
29) Tetrahydrofuran	7.344	42	120105	270.734	ug/l	91
30) Chloroform	7.502	83	203027	51.383	ug/l	97
31) Cyclohexane	7.783	56	165361	49.731	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	181649	51.253	ug/l	98
36) 1,1-Dichloropropene	7.917	75	152807	51.530	ug/l	98
37) Ethyl Acetate	7.069	43	81707	53.756	ug/l #	94
38) Carbon Tetrachloride	7.898	117	164965	52.605	ug/l	100
39) Methylcyclohexane	9.179	83	189353	52.415	ug/l	93
40) Benzene	8.161	78	440531	52.471	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	47242m	59.389	ug/l	
42) 1,2-Dichloroethane	8.234	62	128557	52.993	ug/l	93
43) Isopropyl Acetate	8.270	43	154848	54.487	ug/l	93
44) Trichloroethene	8.935	130	122129	52.095	ug/l	97
45) 1,2-Dichloropropane	9.215	63	112998	53.178	ug/l	95
46) Dibromomethane	9.301	93	66239	53.164	ug/l	96
47) Bromodichloromethane	9.490	83	159918	53.072	ug/l	98
48) Methyl methacrylate	9.288	41	72559	55.419	ug/l	86
49) 1,4-Dioxane	9.294	88	17047	1093.582	ug/l #	58
51) 4-Methyl-2-Pentanone	10.069	43	413646	275.842	ug/l	91
52) Toluene	10.239	92	286905	53.217	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	166650	54.085	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	187913	53.927	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	93684	52.922	ug/l	96
56) Ethyl methacrylate	10.508	69	129744	57.029	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	158441	53.542	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	283395	250.219	ug/l	94
59) 2-Hexanone	10.831	43	302222	273.594	ug/l	89
60) Dibromochloromethane	10.983	129	114984	53.042	ug/l	100
61) 1,2-Dibromoethane	11.087	107	91463	53.957	ug/l	98
64) Tetrachloroethene	10.715	164	103009	51.319	ug/l	98
65) Chlorobenzene	11.514	112	312259	52.386	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	117893	52.961	ug/l	98
67) Ethyl Benzene	11.593	91	558420	52.744	ug/l	98
68) m/p-Xylenes	11.703	106	432382	105.530	ug/l	95
69) o-Xylene	12.026	106	207402	52.875	ug/l	97
70) Styrene	12.044	104	349543	53.459	ug/l	97
71) Bromoform	12.209	173	72989	53.828	ug/l #	99
73) Isopropylbenzene	12.324	105	554613	52.023	ug/l	100
74) N-amyl acetate	12.142	43	142706	54.897	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.580	83	115204	52.864	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	77187m	49.908	ug/l	
77) Bromobenzene	12.605	156	129865	52.195	ug/l	98
78) n-propylbenzene	12.672	91	668557	51.793	ug/l	99
79) 2-Chlorotoluene	12.751	91	375476	51.937	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	464542	52.483	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	38852	54.591	ug/l	91
82) 4-Chlorotoluene	12.855	91	387783	51.723	ug/l	100
83) tert-Butylbenzene	13.074	119	417178	53.024	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	461725	52.818	ug/l	98
85) sec-Butylbenzene	13.251	105	615831	52.553	ug/l	100
86) p-Isopropyltoluene	13.367	119	514038	52.571	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	261988	52.147	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	258295	52.020	ug/l	99
89) n-Butylbenzene	13.696	91	490157	53.738	ug/l	97
90) Hexachloroethane	13.958	117	98396	51.687	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	234231	52.657	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18601	54.368	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	149694	54.396	ug/l	99
94) Hexachlorobutadiene	15.111	225	85142	53.307	ug/l	98
95) Naphthalene	15.232	128	308498	57.481	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	130705	55.076	ug/l	98

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

