

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016588.D
 Acq On : 05 Dec 2023 08:22
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY120523

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda
 12/06/2023

Supervised By :Semsettin
 Yesilyurt
 12/06/2023

Quant Time: Dec 06 02:19:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	216902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.716	114	316021	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	275762	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	136781	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	97249	48.509	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.020%
35) Dibromofluoromethane	7.746	113	96744	50.869	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.740%
50) Toluene-d8	10.203	98	365636	50.827	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.660%
62) 4-Bromofluorobenzene	12.502	95	124156	52.482	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.960%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	87445	45.640	ug/l	97
3) Chloromethane	2.131	50	81333	40.920	ug/l	97
4) Vinyl Chloride	2.272	62	88801	44.241	ug/l	98
5) Bromomethane	2.674	94	55635	44.249	ug/l	97
6) Chloroethane	2.820	64	55013	44.371	ug/l	91
7) Trichlorofluoromethane	3.150	101	180675	47.615	ug/l	98
8) Diethyl Ether	3.558	74	48909	46.280	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.930	101	99690	46.980	ug/l	98
10) Methyl Iodide	4.125	142	115704	51.608	ug/l	99
11) Tert butyl alcohol	4.991	59	30853	225.877	ug/l #	80
12) 1,1-Dichloroethene	3.899	96	93767	48.644	ug/l	89
13) Acrolein	3.759	56	46100	232.148	ug/l	99
14) Allyl chloride	4.515	41	136528	46.411	ug/l	96
15) Acrylonitrile	5.192	53	100973	236.726	ug/l	98
16) Acetone	3.973	43	114083	251.475	ug/l	92
17) Carbon Disulfide	4.229	76	257973	47.734	ug/l	98
18) Methyl Acetate	4.515	43	87365	48.584	ug/l #	90
19) Methyl tert-butyl Ether	5.253	73	236088	49.824	ug/l	98
20) Methylene Chloride	4.753	84	95189	47.422	ug/l	90
21) trans-1,2-Dichloroethene	5.253	96	104654	48.280	ug/l	91
22) Diisopropyl ether	6.155	45	284584	47.038	ug/l	89
23) Vinyl Acetate	6.094	43	688910	237.196	ug/l #	93
24) 1,1-Dichloroethane	6.051	63	174011	46.816	ug/l	97
25) 2-Butanone	7.015	43	147623	236.647	ug/l	95
26) 2,2-Dichloropropane	7.015	77	172335	49.319	ug/l	99
27) cis-1,2-Dichloroethene	7.021	96	115426	48.375	ug/l	94
28) Bromochloromethane	7.362	49	70941	47.120	ug/l #	82
29) Tetrahydrofuran	7.381	42	84744	238.275	ug/l	92
30) Chloroform	7.539	83	189848	47.916	ug/l	96
31) Cyclohexane	7.813	56	153463	44.841	ug/l	88
32) 1,1,1-Trichloroethane	7.734	97	183864	49.035	ug/l	97
36) 1,1-Dichloropropene	7.947	75	144608	50.020	ug/l	99
37) Ethyl Acetate	7.100	43	58455	48.322	ug/l #	96
38) Carbon Tetrachloride	7.929	117	172037	51.403	ug/l	98
39) Methylcyclohexane	9.209	83	176733	50.740	ug/l	93
40) Benzene	8.185	78	404570	49.649	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	32138	45.999	ug/l #	68
42) 1,2-Dichloroethane	8.265	62	119693	50.587	ug/l	96
43) Isopropyl Acetate	8.295	43	117422	50.317	ug/l	93
44) Trichloroethene	8.966	130	123485	50.250	ug/l	93
45) 1,2-Dichloropropane	9.240	63	95362	48.609	ug/l	99
46) Dibromomethane	9.331	93	54456	50.634	ug/l	97
47) Bromodichloromethane	9.520	83	144684	50.532	ug/l	98
48) Methyl methacrylate	9.313	41	69245	51.379	ug/l	92
49) 1,4-Dioxane	9.325	88	11002	1010.680	ug/l #	60
51) 4-Methyl-2-Pentanone	10.093	43	307718	253.733	ug/l	94
52) Toluene	10.264	92	263444	51.584	ug/l	94
53) t-1,3-Dichloropropene	10.484	75	137345	50.828	ug/l	100
54) cis-1,3-Dichloropropene	9.953	75	162800	51.299	ug/l	94
55) 1,1,2-Trichloroethane	10.666	97	75898	50.662	ug/l	96
56) Ethyl methacrylate	10.532	69	71497	52.065	ug/l	90
57) 1,3-Dichloropropane	10.813	76	128421	50.743	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.807	63	234725	277.365	ug/l	90
59) 2-Hexanone	10.849	43	239685	261.255	ug/l	93
60) Dibromochloromethane	11.008	129	104210	52.061	ug/l	99
61) 1,2-Dibromoethane	11.112	107	73368	52.068	ug/l	98
64) Tetrachloroethene	10.746	164	128485	50.839	ug/l	93
65) Chlorobenzene	11.538	112	280230	50.172	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	111160	50.920	ug/l	100
67) Ethyl Benzene	11.611	91	504194	50.334	ug/l	99
68) m/p-Xylenes	11.721	106	385708	101.431	ug/l	95
69) o-Xylene	12.050	106	182367	51.373	ug/l	97
70) Styrene	12.063	104	265628	52.152	ug/l	99
71) Bromoform	12.227	173	63417	53.799	ug/l #	97
73) Isopropylbenzene	12.349	105	506270	49.986	ug/l	99
74) N-amyl acetate	12.160	43	96507	47.786	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.599	83	79265	49.205	ug/l	99
76) 1,2,3-Trichloropropane	12.654	75	64941m	52.559	ug/l	
77) Bromobenzene	12.630	156	118611	49.690	ug/l	90
78) n-propylbenzene	12.691	91	581134	49.296	ug/l	97
79) 2-Chlorotoluene	12.776	91	323780	48.740	ug/l	98
80) 1,3,5-Trimethylbenzene	12.831	105	410636	49.896	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.398	75	26793	48.916	ug/l	96
82) 4-Chlorotoluene	12.873	91	330196	48.037	ug/l	97
83) tert-Butylbenzene	13.093	119	367448	49.972	ug/l	99
84) 1,2,4-Trimethylbenzene	13.142	105	405039	50.387	ug/l	98
85) sec-Butylbenzene	13.276	105	510897	49.470	ug/l	98
86) p-Isopropyltoluene	13.392	119	456241	50.893	ug/l	99
87) 1,3-Dichlorobenzene	13.386	146	226510	49.710	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	223859	50.059	ug/l	99
89) n-Butylbenzene	13.715	91	411475	51.038	ug/l	96
90) Hexachloroethane	13.983	117	87170	49.419	ug/l	99
91) 1,2-Dichlorobenzene	13.757	146	197882	50.581	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	13337	51.736	ug/l	89
93) 1,2,4-Trichlorobenzene	15.025	180	124296	56.304	ug/l	99
94) Hexachlorobutadiene	15.129	225	74988	53.764	ug/l	99
95) Naphthalene	15.257	128	211580	57.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	102133	58.089	ug/l	99

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

