

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011217.D
 Acq On : 01 Nov 2022 13:01
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY110122

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Nov 01 14:32:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

11/02/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	265366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	424052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	384968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	186299	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	132410	46.654	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.300%
35) Dibromofluoromethane	7.716	113	133675	49.064	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.120%
50) Toluene-d8	10.179	98	512452	48.444	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.880%
62) 4-Bromofluorobenzene	12.477	95	180314	49.101	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	102150	48.594	ug/l	100
3) Chloromethane	2.113	50	138996	47.237	ug/l	95
4) Vinyl Chloride	2.247	62	155745	47.383	ug/l	98
5) Bromomethane	2.643	94	107273	48.919	ug/l	99
6) Chloroethane	2.790	64	101226	47.926	ug/l	100
7) Trichlorofluoromethane	3.119	101	236179	48.637	ug/l	95
8) Diethyl Ether	3.521	74	87529	50.234	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	146053	50.026	ug/l	94
10) Methyl Iodide	4.088	142	186613	49.655	ug/l	91
11) Tert butyl alcohol	4.948	59	79942	276.264	ug/l	99
12) 1,1-Dichloroethene	3.869	96	144731	50.140	ug/l	82
13) Acrolein	3.723	56	33792	220.660	ug/l	98
14) Allyl chloride	4.472	41	223332	51.078	ug/l #	84
15) Acrylonitrile	5.155	53	214544	245.380	ug/l	96
16) Acetone	3.942	43	235624	275.032	ug/l #	84
17) Carbon Disulfide	4.186	76	467385	49.298	ug/l	100
18) Methyl Acetate	4.472	43	102622	45.245	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	389740	50.810	ug/l	96
20) Methylene Chloride	4.704	84	179174	51.267	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	165265	50.338	ug/l	88
22) Diisopropyl ether	6.112	45	465729	51.375	ug/l #	90
23) Vinyl Acetate	6.051	43	1438678	260.013	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	282772	49.809	ug/l	99
25) 2-Butanone	6.978	43	302630	251.055	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	252778	48.695	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	183774	50.801	ug/l	88
28) Bromochloromethane	7.326	49	109694	50.302	ug/l	86
29) Tetrahydrofuran	7.344	42	173541	247.295	ug/l #	84
30) Chloroform	7.502	83	284507	49.620	ug/l	98
31) Cyclohexane	7.777	56	262865	49.971	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	251796	49.511	ug/l	95
36) 1,1-Dichloropropene	7.911	75	227798	51.199	ug/l	98
37) Ethyl Acetate	7.069	43	119120	49.665	ug/l #	93
38) Carbon Tetrachloride	7.899	117	233031	50.484	ug/l	98
39) Methylcyclohexane	9.179	83	288644	53.325	ug/l	91
40) Benzene	8.155	78	658976	50.394	ug/l	96

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41) Methacrylonitrile	7.301	41	69703m	53.484	ug/l	
42) 1,2-Dichloroethane	8.234	62	175820	49.514	ug/l	90
43) Isopropyl Acetate	8.270	43	211883	50.141	ug/l #	88
44) Trichloroethene	8.935	130	175822	50.242	ug/l	95
45) 1,2-Dichloropropane	9.209	63	161673	50.010	ug/l	95
46) Dibromomethane	9.301	93	90915	49.773	ug/l	96
47) Bromodichloromethane	9.496	83	218150	50.381	ug/l	99
48) Methyl methacrylate	9.289	41	100180	51.613	ug/l #	78
49) 1,4-Dioxane	9.295	88	26183	1065.519	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	578929	251.963	ug/l #	86
52) Toluene	10.240	92	415691	51.268	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	231495	50.765	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	266619	51.097	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	129010	49.280	ug/l	98
56) Ethyl methacrylate	10.508	69	182405	52.749	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	222432	49.639	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	415036	256.018	ug/l	96
59) 2-Hexanone	10.831	43	430688	262.555	ug/l	83
60) Dibromochloromethane	10.983	129	154367	49.629	ug/l	100
61) 1,2-Dibromoethane	11.087	107	123429	49.662	ug/l	100
64) Tetrachloroethene	10.715	164	166244	50.838	ug/l	97
65) Chlorobenzene	11.514	112	435508	51.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	159386	50.967	ug/l	98
67) Ethyl Benzene	11.593	91	796692	52.881	ug/l	99
68) m/p-Xylenes	11.703	106	615421	105.232	ug/l	94
69) o-Xylene	12.026	106	289561	52.820	ug/l	94
70) Styrene	12.044	104	489531	52.675	ug/l	96
71) Bromoform	12.209	173	99002	50.935	ug/l #	98
73) Isopropylbenzene	12.331	105	760306	54.585	ug/l	100
74) N-amyl acetate	12.142	43	186864	53.444	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	147458	51.159	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	109891m	48.452	ug/l	
77) Bromobenzene	12.605	156	173980	53.101	ug/l	98
78) n-propylbenzene	12.672	91	928169	54.457	ug/l	99
79) 2-Chlorotoluene	12.757	91	519416	53.187	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	642019	54.470	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	54541	51.465	ug/l #	83
82) 4-Chlorotoluene	12.855	91	535006	53.161	ug/l	100
83) tert-Butylbenzene	13.075	119	552304	54.382	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	633862	54.374	ug/l	100
85) sec-Butylbenzene	13.251	105	821835	54.578	ug/l	100
86) p-Isopropyltoluene	13.367	119	688525	54.859	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	341961	52.051	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	336381	51.052	ug/l	98
89) n-Butylbenzene	13.696	91	641612	54.745	ug/l	99
90) Hexachloroethane	13.958	117	129861	51.736	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	304353	51.864	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24418	49.453	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	184060	51.894	ug/l	99
94) Hexachlorobutadiene	15.111	225	106745	51.687	ug/l	99
95) Naphthalene	15.233	128	381439	46.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	158295	50.784	ug/l	99

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

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