

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011614.D
 Acq On : 29 Nov 2022 12:02
 Operator : KP/MD
 Sample : VY1129SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1129SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/30/2022
 Supervised By :Mahesh Dadoda 11/30/2022

Quant Time: Nov 29 13:04:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	174572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	261319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	103567	58.427	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.860%
35) Dibromofluoromethane	7.722	113	101398	56.974	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.940%
50) Toluene-d8	10.179	98	347645	53.754	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.500%
62) 4-Bromofluorobenzene	12.483	95	135121	56.509	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.020%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	28201	26.718	ug/l	100
3) Chloromethane	2.119	50	35374	21.289	ug/l	100
4) Vinyl Chloride	2.253	62	37630	19.058	ug/l	99
5) Bromomethane	2.644	94	28241	20.009	ug/l	100
6) Chloroethane	2.796	64	25639	18.611	ug/l	95
7) Trichlorofluoromethane	3.131	101	61175	21.122	ug/l	94
8) Diethyl Ether	3.534	74	21291	22.745	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.905	101	34897	20.837	ug/l	94
10) Methyl Iodide	4.094	142	42529	21.796	ug/l	95
11) Tert butyl alcohol	4.948	59	34450	169.808	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	32237	21.013	ug/l	88
13) Acrolein	3.735	56	6455	138.107	ug/l	99
14) Allyl chloride	4.485	41	59338	22.033	ug/l	92
15) Acrylonitrile	5.161	53	59623	116.616	ug/l	97
16) Acetone	3.948	43	62033	107.739	ug/l	96
17) Carbon Disulfide	4.198	76	88717	20.865	ug/l	100
18) Methyl Acetate	4.479	43	34536	24.705	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	101704	23.229	ug/l	97
20) Methylene Chloride	4.722	84	64761	24.542	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	37722	21.278	ug/l	88
22) Diisopropyl ether	6.118	45	134575	22.892	ug/l	99
23) Vinyl Acetate	6.064	43	381878	111.519	ug/l	97
24) 1,1-Dichloroethane	6.021	63	75781	21.956	ug/l	98
25) 2-Butanone	6.990	43	83722	110.642	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	67699	21.252	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	47114	22.574	ug/l	94
28) Bromochloromethane	7.338	49	30047	21.669	ug/l	90
29) Tetrahydrofuran	7.350	42	48243	112.894	ug/l	92
30) Chloroform	7.508	83	79052	22.085	ug/l	97
31) Cyclohexane	7.789	56	58853	20.031	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	66722	20.837	ug/l	97
36) 1,1-Dichloropropene	7.923	75	54049	19.429	ug/l	99
37) Ethyl Acetate	7.076	43	32982	20.820	ug/l	97
38) Carbon Tetrachloride	7.905	117	60124	19.318	ug/l	94
39) Methylcyclohexane	9.185	83	60614	19.524	ug/l	91
40) Benzene	8.161	78	168756	20.825	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	15748m	19.662	ug/l	
42) 1,2-Dichloroethane	8.240	62	52061	20.773	ug/l	95
43) Isopropyl Acetate	8.271	43	59644	20.871	ug/l	93
44) Trichloroethene	8.941	130	43983	20.173	ug/l	96
45) 1,2-Dichloropropane	9.222	63	43842	21.166	ug/l	97
46) Dibromomethane	9.307	93	23856	20.598	ug/l	97
47) Bromodichloromethane	9.496	83	60459	20.724	ug/l	100
48) Methyl methacrylate	9.295	41	26445	20.834	ug/l #	89
49) 1,4-Dioxane	9.295	88	6231	434.432	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	162613	102.362	ug/l	93
52) Toluene	10.246	92	105114	20.512	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	61442	21.070	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	69913	21.311	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	34832	21.022	ug/l	96
56) Ethyl methacrylate	10.514	69	43550	21.133	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	59487	21.199	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	105387	104.420	ug/l	98
59) 2-Hexanone	10.831	43	116363	102.629	ug/l	92
60) Dibromochloromethane	10.983	129	42703	21.030	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32144	21.253	ug/l	99
64) Tetrachloroethene	10.721	164	42923	19.932	ug/l	95
65) Chlorobenzene	11.514	112	114270	20.883	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	43405	20.928	ug/l	98
67) Ethyl Benzene	11.593	91	199732	20.215	ug/l	100
68) m/p-Xylenes	11.703	106	154800	41.158	ug/l	97
69) o-Xylene	12.032	106	72496	20.703	ug/l	97
70) Styrene	12.044	104	124483	20.826	ug/l	97
71) Bromoform	12.209	173	26764	21.212	ug/l #	97
73) Isopropylbenzene	12.331	105	193326	20.157	ug/l	99
74) N-amyl acetate	12.142	43	49019	20.697	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	40249	21.297	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	32137m	22.502	ug/l	
77) Bromobenzene	12.611	156	47386	21.159	ug/l	99
78) n-propylbenzene	12.672	91	237939	20.335	ug/l	100
79) 2-Chlorotoluene	12.758	91	139099	21.091	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	168200	20.805	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13370	20.505	ug/l	93
82) 4-Chlorotoluene	12.855	91	145174	21.052	ug/l	100
83) tert-Butylbenzene	13.075	119	139012	19.740	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	168198	21.064	ug/l	100
85) sec-Butylbenzene	13.251	105	210364	20.021	ug/l	100
86) p-Isopropyltoluene	13.367	119	178069	20.307	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	92884	20.374	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	94067	20.635	ug/l	98
89) n-Butylbenzene	13.696	91	161294	20.009	ug/l	100
90) Hexachloroethane	13.959	117	34701	19.596	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	83450	20.650	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6730	21.714	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	46033	20.537	ug/l	99
94) Hexachlorobutadiene	15.111	225	28491	20.448	ug/l	99
95) Naphthalene	15.233	128	88106	21.263	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	39760	20.698	ug/l	99

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

