

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011864.D
 Acq On : 15 Dec 2022 12:16
 Operator : KP/MD
 Sample : VY1215SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1215SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022

Quant Time: Dec 16 00:13:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	214760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	329363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	298414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	59956	39.948	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.900%		
35) Dibromofluoromethane	7.716	113	63923	43.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.300%		
50) Toluene-d8	10.179	98	198343	40.016	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.040%		
62) 4-Bromofluorobenzene	12.483	95	84113	43.450	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28901	27.255	ug/l	96
3) Chloromethane	2.113	50	28433	22.451	ug/l	95
4) Vinyl Chloride	2.253	62	32969	21.879	ug/l	98
5) Bromomethane	2.643	94	23429	23.175	ug/l	99
6) Chloroethane	2.790	64	22386	21.021	ug/l	95
7) Trichlorofluoromethane	3.125	101	61487	20.827	ug/l	98
8) Diethyl Ether	3.533	74	20098	19.436	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	35778	20.301	ug/l	100
10) Methyl Iodide	4.094	142	40488	19.622	ug/l	97
11) Tert butyl alcohol	4.942	59	26464	137.344	ug/l	96
12) 1,1-Dichloroethene	3.875	96	32276	20.307	ug/l	95
13) Acrolein	3.729	56	29064	96.001	ug/l	99
14) Allyl chloride	4.485	41	50520	19.136	ug/l	98
15) Acrylonitrile	5.161	53	55671	100.303	ug/l	99
16) Acetone	3.948	43	57053	97.292	ug/l	98
17) Carbon Disulfide	4.198	76	72318	19.924	ug/l	100
18) Methyl Acetate	4.478	43	32469	22.276	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	97024	19.497	ug/l	98
20) Methylene Chloride	4.716	84	66966	29.694	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	36463	20.412	ug/l	97
22) Diisopropyl ether	6.118	45	116375	20.204	ug/l	93
23) Vinyl Acetate	6.057	43	323471	98.436	ug/l	99
24) 1,1-Dichloroethane	6.015	63	69725	19.920	ug/l	99
25) 2-Butanone	6.984	43	76914	101.967	ug/l	95
26) 2,2-Dichloropropane	6.978	77	65661	19.939	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	44066	20.183	ug/l	100
28) Bromochloromethane	7.332	49	25926	20.345	ug/l	98
29) Tetrahydrofuran	7.350	42	43413	101.118	ug/l	99
30) Chloroform	7.508	83	75960	20.299	ug/l	99
31) Cyclohexane	7.789	56	54467	19.933	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	69024	20.683	ug/l	100
36) 1,1-Dichloropropene	7.917	75	52237	20.900	ug/l	100
37) Ethyl Acetate	7.076	43	30546	20.905	ug/l	98
38) Carbon Tetrachloride	7.899	117	62939	21.438	ug/l	98
39) Methylcyclohexane	9.185	83	58217	20.701	ug/l	99
40) Benzene	8.161	78	156659	20.981	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	14768m	20.020	ug/l	
42) 1,2-Dichloroethane	8.234	62	48356	20.943	ug/l	100
43) Isopropyl Acetate	8.270	43	52748	19.908	ug/l	98
44) Trichloroethene	8.941	130	42977	20.552	ug/l	98
45) 1,2-Dichloropropane	9.215	63	39340	20.357	ug/l	97
46) Dibromomethane	9.307	93	21891	20.236	ug/l	98
47) Bromodichloromethane	9.496	83	58758	21.025	ug/l	98
48) Methyl methacrylate	9.295	41	23196	19.861	ug/l	96
49) 1,4-Dioxane	9.301	88	6199	413.648	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	152390	104.380	ug/l	99
52) Toluene	10.246	92	100196	21.108	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	57513	20.603	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	64577	20.590	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	34115	21.337	ug/l	97
56) Ethyl methacrylate	10.508	69	41374	20.046	ug/l	99
57) 1,3-Dichloropropane	10.788	76	54483	20.443	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	103739	108.392	ug/l	99
59) 2-Hexanone	10.831	43	110213	105.657	ug/l	99
60) Dibromochloromethane	10.983	129	42165	21.055	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30562	21.099	ug/l	98
64) Tetrachloroethene	10.721	164	43523	20.614	ug/l	98
65) Chlorobenzene	11.514	112	110359	20.525	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	42536	20.392	ug/l	97
67) Ethyl Benzene	11.593	91	192873	20.358	ug/l	99
68) m/p-Xylenes	11.703	106	149881	41.309	ug/l	100
69) o-Xylene	12.032	106	71320	20.622	ug/l	98
70) Styrene	12.044	104	121869	20.647	ug/l	99
71) Bromoform	12.209	173	27226	21.161	ug/l #	98
73) Isopropylbenzene	12.331	105	195373	20.383	ug/l	100
74) N-amyl acetate	12.142	43	43977	19.083	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	38850	20.813	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	31039m	20.738	ug/l	
77) Bromobenzene	12.611	156	46821	20.922	ug/l	99
78) n-propylbenzene	12.672	91	237396	20.668	ug/l	99
79) 2-Chlorotoluene	12.757	91	132959	20.282	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	168126	20.752	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	13079	19.829	ug/l	97
82) 4-Chlorotoluene	12.855	91	138884	20.426	ug/l	100
83) tert-Butylbenzene	13.074	119	145815	20.670	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	163144	20.452	ug/l	98
85) sec-Butylbenzene	13.251	105	215430	20.506	ug/l	99
86) p-Isopropyltoluene	13.373	119	179131	20.486	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	92288	20.492	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	90601	20.241	ug/l	98
89) n-Butylbenzene	13.696	91	161080	20.265	ug/l	99
90) Hexachloroethane	13.965	117	35182	20.248	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	82974	20.474	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6574	20.200	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	45519	19.257	ug/l	100
94) Hexachlorobutadiene	15.111	225	30425	20.258	ug/l	100
95) Naphthalene	15.239	128	87620	19.139	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	39358	19.277	ug/l	100

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

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