

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021723\
 Data File : VY012642.D
 Acq On : 17 Feb 2023 11:47
 Operator : KP/MD
 Sample : VY0217SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/18/2023
 Supervised By :Mahesh Dadoda 02/20/2023

Quant Time: Feb 17 12:09:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	120696	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	175385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	158503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	82248	53.589	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.180%			
35) Dibromofluoromethane	7.710	113	69417	54.348	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.700%			
50) Toluene-d8	10.179	98	281712	52.990	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.980%			
62) 4-Bromofluorobenzene	12.477	95	96975	52.296	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20038	21.482	ug/l	98
3) Chloromethane	2.107	50	17198	18.288	ug/l	97
4) Vinyl Chloride	2.247	62	22931	19.572	ug/l	94
5) Bromomethane	2.637	94	18981	20.490	ug/l	97
6) Chloroethane	2.784	64	16623	20.384	ug/l	98
7) Trichlorofluoromethane	3.119	101	52324	21.728	ug/l	99
8) Diethyl Ether	3.521	74	14642	20.505	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	25967	21.354	ug/l	98
10) Methyl Iodide	4.082	142	29777	18.888	ug/l	99
11) Tert butyl alcohol	4.948	59	20113	131.429	ug/l	98
12) 1,1-Dichloroethene	3.863	96	24681	20.541	ug/l	97
13) Acrolein	3.723	56	16612	92.069	ug/l	98
14) Allyl chloride	4.466	41	28661	19.564	ug/l	98
15) Acrylonitrile	5.155	53	36588	111.062	ug/l	98
16) Acetone	3.936	43	41496	112.333	ug/l	98
17) Carbon Disulfide	4.186	76	52910	16.977	ug/l	100
18) Methyl Acetate	4.472	43	19467	21.925	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	79076	22.491	ug/l	96
20) Methylene Chloride	4.704	84	29896	19.054	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	27130	20.703	ug/l	94
22) Diisopropyl ether	6.112	45	62526	20.990	ug/l	94
23) Vinyl Acetate	6.051	43	187700	104.521	ug/l	98
24) 1,1-Dichloroethane	6.015	63	44128	20.722	ug/l	96
25) 2-Butanone	6.978	43	45273	110.461	ug/l	92
26) 2,2-Dichloropropane	6.978	77	50180	21.447	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	31891	20.971	ug/l	98
28) Bromochloromethane	7.326	49	16340	21.109	ug/l	97
29) Tetrahydrofuran	7.344	42	24492	110.536	ug/l	94
30) Chloroform	7.502	83	55124	21.470	ug/l	95
31) Cyclohexane	7.777	56	34037	19.181	ug/l #	94
32) 1,1,1-Trichloroethane	7.697	97	54452	21.855	ug/l	100
36) 1,1-Dichloropropene	7.911	75	35505	20.539	ug/l	98
37) Ethyl Acetate	7.063	43	17262	22.130	ug/l	98
38) Carbon Tetrachloride	7.899	117	51240	22.082	ug/l	99
39) Methylcyclohexane	9.179	83	42018	20.200	ug/l	96
40) Benzene	8.155	78	108705	21.291	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10300m	24.103	ug/l	
42) 1,2-Dichloroethane	8.234	62	38287	23.136	ug/l	99
43) Isopropyl Acetate	8.271	43	32555	22.510	ug/l	99
44) Trichloroethene	8.935	130	33452	21.523	ug/l	98
45) 1,2-Dichloropropane	9.209	63	23051	20.821	ug/l	100
46) Dibromomethane	9.301	93	16340	22.290	ug/l	98
47) Bromodichloromethane	9.490	83	42083	22.141	ug/l	99
48) Methyl methacrylate	9.289	41	15369	23.249	ug/l	99
49) 1,4-Dioxane	9.295	88	5143	508.225	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	92212	118.178	ug/l	99
52) Toluene	10.240	92	76221	22.014	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	42987	22.444	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	44537	21.488	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	24413	22.792	ug/l	97
56) Ethyl methacrylate	10.508	69	30294	22.511	ug/l	98
57) 1,3-Dichloropropane	10.788	76	38710	22.392	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	73310	121.198	ug/l	96
59) 2-Hexanone	10.825	43	69552	117.951	ug/l	100
60) Dibromochloromethane	10.983	129	33265	23.298	ug/l	99
61) 1,2-Dibromoethane	11.087	107	22731	22.649	ug/l	99
64) Tetrachloroethene	10.715	164	40465	24.454	ug/l	98
65) Chlorobenzene	11.514	112	84739	22.541	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	33833	22.965	ug/l	99
67) Ethyl Benzene	11.587	91	145617	22.063	ug/l	99
68) m/p-Xylenes	11.703	106	118357	44.927	ug/l	97
69) o-Xylene	12.026	106	57329	22.850	ug/l	99
70) Styrene	12.038	104	98196	23.078	ug/l	98
71) Bromoform	12.209	173	22508	24.171	ug/l #	97
73) Isopropylbenzene	12.325	105	156646	21.258	ug/l	99
74) N-amyl acetate	12.142	43	29140	21.846	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	25840	21.687	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	22013m	21.633	ug/l	
77) Bromobenzene	12.605	156	39124	21.906	ug/l	96
78) n-propylbenzene	12.666	91	179611	21.177	ug/l	98
79) 2-Chlorotoluene	12.751	91	102401	21.268	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	137095	21.612	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	9922	21.988	ug/l	99
82) 4-Chlorotoluene	12.849	91	107377	21.260	ug/l	99
83) tert-Butylbenzene	13.075	119	120714	21.701	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	133843	21.444	ug/l	100
85) sec-Butylbenzene	13.251	105	172294	21.650	ug/l	100
86) p-Isopropyltoluene	13.367	119	151278	21.912	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	79012	22.234	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	78147	21.954	ug/l	98
89) n-Butylbenzene	13.696	91	127394	21.591	ug/l	99
90) Hexachloroethane	13.959	117	26662	21.040	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	70342	22.004	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5443	22.955	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	44506	22.469	ug/l	99
94) Hexachlorobutadiene	15.111	225	27985	22.742	ug/l	99
95) Naphthalene	15.233	128	87751	23.077	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	39243	22.888	ug/l	98

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

