

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110322\
 Data File : VY011278.D
 Acq On : 03 Nov 2022 10:56
 Operator : KP/MD
 Sample : VY1103SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1103SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/04/2022
 Supervised By :Mahesh Dadoda 11/04/2022

Quant Time: Nov 03 14:29:50 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	237168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	378373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	348363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119257	47.016	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.040%		
35) Dibromofluoromethane	7.716	113	122663	50.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.920%		
50) Toluene-d8	10.179	98	463778	49.136	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.280%		
62) 4-Bromofluorobenzene	12.477	95	164670	50.254	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	51447	25.024	ug/l	98
3) Chloromethane	2.113	50	54846	20.855	ug/l	93
4) Vinyl Chloride	2.247	62	59819	20.363	ug/l	99
5) Bromomethane	2.644	94	41717	21.286	ug/l	98
6) Chloroethane	2.790	64	38359	20.320	ug/l	99
7) Trichlorofluoromethane	3.119	101	90418	20.834	ug/l	93
8) Diethyl Ether	3.527	74	31131	19.991	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	53357	20.449	ug/l	94
10) Methyl Iodide	4.082	142	61918	18.434	ug/l	91
11) Tert butyl alcohol	4.942	59	39648	135.519	ug/l	97
12) 1,1-Dichloroethene	3.863	96	52456	20.333	ug/l #	80
13) Acrolein	3.729	56	15775	105.780	ug/l	99
14) Allyl chloride	4.472	41	76056	19.463	ug/l #	84
15) Acrylonitrile	5.155	53	75146	96.165	ug/l	97
16) Acetone	3.942	43	66572	86.945	ug/l #	83
17) Carbon Disulfide	4.192	76	168592	19.897	ug/l	99
18) Methyl Acetate	4.472	43	41322	20.385	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	133473	19.470	ug/l	100
20) Methylene Chloride	4.710	84	95748	28.405	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	59969	20.438	ug/l	86
22) Diisopropyl ether	6.112	45	160357	19.792	ug/l #	92
23) Vinyl Acetate	6.058	43	469995	95.042	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	100989	19.904	ug/l	98
25) 2-Butanone	6.984	43	99567	92.419	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	93465	20.146	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	65795	20.350	ug/l	89
28) Bromochloromethane	7.332	49	36639	18.799	ug/l #	80
29) Tetrahydrofuran	7.344	42	60189	95.967	ug/l #	83
30) Chloroform	7.502	83	103412	20.180	ug/l	97
31) Cyclohexane	7.783	56	89993	19.142	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	91598	20.153	ug/l	94
36) 1,1-Dichloropropene	7.917	75	82102	20.681	ug/l	98
37) Ethyl Acetate	7.070	43	41989	19.620	ug/l #	91
38) Carbon Tetrachloride	7.899	117	84999	20.637	ug/l	98
39) Methylcyclohexane	9.179	83	97986	20.288	ug/l	92
40) Benzene	8.155	78	240182	20.585	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	21668m	18.633	ug/l	
42) 1,2-Dichloroethane	8.234	62	63607	20.075	ug/l	91
43) Isopropyl Acetate	8.271	43	72137	19.132	ug/l #	86
44) Trichloroethene	8.935	130	64619	20.694	ug/l	95
45) 1,2-Dichloropropane	9.209	63	58591	20.312	ug/l	97
46) Dibromomethane	9.301	93	33215	20.379	ug/l	98
47) Bromodichloromethane	9.496	83	78303	20.267	ug/l	99
48) Methyl methacrylate	9.289	41	32817	18.949	ug/l #	75
49) 1,4-Dioxane	9.295	88	8899	405.865	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	197169	96.172	ug/l #	87
52) Toluene	10.240	92	151387	20.925	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	81002	19.908	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	94577	20.314	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	47072	20.152	ug/l	99
56) Ethyl methacrylate	10.508	69	61574	19.956	ug/l #	71
57) 1,3-Dichloropropane	10.788	76	80135	20.042	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	147561	102.013	ug/l	95
59) 2-Hexanone	10.831	43	140073	95.700	ug/l	83
60) Dibromochloromethane	10.983	129	57160	20.596	ug/l	100
61) 1,2-Dibromoethane	11.087	107	45402	20.473	ug/l	99
64) Tetrachloroethene	10.715	164	63139	21.337	ug/l	98
65) Chlorobenzene	11.514	112	159870	20.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	59361	20.976	ug/l	97
67) Ethyl Benzene	11.593	91	282039	20.688	ug/l	97
68) m/p-Xylenes	11.703	106	223688	42.268	ug/l	95
69) o-Xylene	12.026	106	104691	21.104	ug/l	93
70) Styrene	12.038	104	176118	20.942	ug/l	95
71) Bromoform	12.203	173	36794	20.919	ug/l #	99
73) Isopropylbenzene	12.325	105	273409	20.680	ug/l	100
74) N-amyl acetate	12.142	43	62406	18.804	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	54179	19.804	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	39289m	18.251	ug/l	
77) Bromobenzene	12.605	156	63797	20.515	ug/l	98
78) n-propylbenzene	12.672	91	337174	20.842	ug/l	99
79) 2-Chlorotoluene	12.751	91	189221	20.414	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	234900	20.997	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	19189	19.077	ug/l #	83
82) 4-Chlorotoluene	12.849	91	197325	20.658	ug/l	99
83) tert-Butylbenzene	13.075	119	200946	20.846	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	234942	21.234	ug/l	99
85) sec-Butylbenzene	13.251	105	300630	21.034	ug/l	100
86) p-Isopropyltoluene	13.367	119	249390	20.935	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	130266	20.890	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	127982	20.464	ug/l	98
89) n-Butylbenzene	13.696	91	230060	20.681	ug/l	99
90) Hexachloroethane	13.959	117	48278	20.264	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	115266	20.694	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.349	75	8677	18.515	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	67440	20.033	ug/l	99
94) Hexachlorobutadiene	15.111	225	40059	20.436	ug/l	99
95) Naphthalene	15.233	128	128933	19.048	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	57087	19.296	ug/l	99

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

