

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103122\
 Data File : VY011203.D
 Acq On : 31 Oct 2022 17:34
 Operator : KP/MD
 Sample : VY1031SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

11/01/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Nov 01 02:45:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	217280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	331270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167549	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114345	50.894	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.780%	
35) Dibromofluoromethane	7.716	113	112340	51.138	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.280%	
50) Toluene-d8	10.179	98	438264	50.358	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.477	95	153843	54.024	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.040%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	21353	18.052	ug/l	97
3) Chloromethane	2.113	50	29570	18.756	ug/l	96
4) Vinyl Chloride	2.247	62	33437	17.726	ug/l	95
5) Bromomethane	2.637	94	24015	18.755	ug/l	96
6) Chloroethane	2.784	64	24750	19.169	ug/l	94
7) Trichlorofluoromethane	3.119	101	58228	18.960	ug/l	92
8) Diethyl Ether	3.527	74	22728	20.544	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	37302	19.233	ug/l	93
10) Methyl Iodide	4.082	142	38317	18.033	ug/l	92
11) Tert butyl alcohol	4.942	59	34711	158.111	ug/l	96
12) 1,1-Dichloroethene	3.869	96	32692	18.730	ug/l	83
13) Acrolein	3.723	56	18056	122.186	ug/l	97
14) Allyl chloride	4.472	41	56870	20.983	ug/l #	85
15) Acrylonitrile	5.155	53	65086	106.614	ug/l	99
16) Acetone	3.942	43	56920	103.546	ug/l #	89
17) Carbon Disulfide	4.192	76	77360	17.116	ug/l	100
18) Methyl Acetate	4.472	43	37925	24.941	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	109401	21.234	ug/l	99
20) Methylene Chloride	4.710	84	80686	33.307	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	39273	19.624	ug/l	89
22) Diisopropyl ether	6.118	45	137150	22.011	ug/l #	91
23) Vinyl Acetate	6.057	43	378275	106.785	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	80248	20.845	ug/l	98
25) 2-Butanone	6.978	43	85564	108.587	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	71068	20.656	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	48922	20.177	ug/l	90
28) Bromochloromethane	7.326	49	36943	21.016	ug/l	91
29) Tetrahydrofuran	7.344	42	51675	110.067	ug/l	88
30) Chloroform	7.502	83	84582	20.928	ug/l	99
31) Cyclohexane	7.783	56	57905	18.537	ug/l #	86
32) 1,1,1-Trichloroethane	7.697	97	69447	20.196	ug/l	96
36) 1,1-Dichloropropene	7.917	75	55072	19.230	ug/l	98
37) Ethyl Acetate	7.069	43	35995	22.214	ug/l #	94
38) Carbon Tetrachloride	7.899	117	61514	19.720	ug/l	98
39) Methylcyclohexane	9.179	83	57743	18.070	ug/l	93
40) Benzene	8.155	78	174506	20.353	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	19249m	22.732	ug/l	
42) 1,2-Dichloroethane	8.234	62	51438	21.085	ug/l	90
43) Isopropyl Acetate	8.271	43	63489	21.974	ug/l #	89
44) Trichloroethene	8.935	130	45223	19.624	ug/l	98
45) 1,2-Dichloropropane	9.209	63	47490	21.041	ug/l	95
46) Dibromomethane	9.301	93	26267	20.820	ug/l	94
47) Bromodichloromethane	9.490	83	64928	20.825	ug/l	99
48) Methyl methacrylate	9.289	41	27471	21.331	ug/l #	80
49) 1,4-Dioxane	9.295	88	7664	440.117	ug/l #	91
51) 4-Methyl-2-Pentanone	10.069	43	182261	111.882	ug/l	89
52) Toluene	10.240	92	111174	20.714	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	65645	21.000	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	75303	21.252	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	40321	21.472	ug/l	99
56) Ethyl methacrylate	10.508	69	50034	21.171	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	66246	21.134	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	79557	87.373	ug/l	97
59) 2-Hexanone	10.831	43	125475	111.605	ug/l	85
60) Dibromochloromethane	10.983	129	48187	21.701	ug/l	99
61) 1,2-Dibromoethane	11.087	107	36196	21.235	ug/l	98
64) Tetrachloroethene	10.715	164	43014	18.818	ug/l	96
65) Chlorobenzene	11.514	112	123666	20.274	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	48119	20.331	ug/l	97
67) Ethyl Benzene	11.593	91	209530	19.663	ug/l	99
68) m/p-Xylenes	11.703	106	161945	39.875	ug/l	96
69) o-Xylene	12.026	106	76345	19.709	ug/l	96
70) Styrene	12.044	104	136768	20.660	ug/l	96
71) Bromoform	12.209	173	30006	20.690	ug/l #	100
73) Isopropylbenzene	12.331	105	204268	18.672	ug/l	99
74) N-amyl acetate	12.142	43	54920	20.452	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	48904	20.491	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	35397m	20.320	ug/l	
77) Bromobenzene	12.605	156	49467	19.226	ug/l	96
78) n-propylbenzene	12.666	91	249264	18.737	ug/l	100
79) 2-Chlorotoluene	12.751	91	147818	19.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	174989	18.985	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	16864	20.559	ug/l #	82
82) 4-Chlorotoluene	12.855	91	152240	19.287	ug/l	100
83) tert-Butylbenzene	13.075	119	149122	18.534	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	176100	19.410	ug/l	100
85) sec-Butylbenzene	13.251	105	221691	18.428	ug/l	100
86) p-Isopropyltoluene	13.367	119	182210	18.436	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	99535	19.056	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	99693	19.078	ug/l	98
89) n-Butylbenzene	13.696	91	166577	18.045	ug/l	99
90) Hexachloroethane	13.959	117	38695	18.742	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	90121	19.180	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8213	21.376	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	49457	18.392	ug/l	99
94) Hexachlorobutadiene	15.111	225	28415	17.498	ug/l	98
95) Naphthalene	15.233	128	104440	20.196	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	44220	18.891	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

