

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010768.D
 Acq On : 03 Oct 2022 16:04
 Operator : KP/MD
 Sample : VY1003SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1003SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

10/04/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 04 07:29:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	261025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	414919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	369446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179977	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127749	48.283	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.716	113	121123	43.977	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.960%
50) Toluene-d8	10.179	98	491700	52.202	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.400%
62) 4-Bromofluorobenzene	12.483	95	159984	42.956	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.920%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36885	20.397	ug/l	97
3) Chloromethane	2.113	50	58932	19.593	ug/l	97
4) Vinyl Chloride	2.247	62	71283	19.682	ug/l	97
5) Bromomethane	2.643	94	54090	21.047	ug/l	97
6) Chloroethane	2.790	64	48097	19.927	ug/l	99
7) Trichlorofluoromethane	3.125	101	87315	19.796	ug/l	92
8) Diethyl Ether	3.527	74	27070	19.078	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	50471	19.959	ug/l	94
10) Methyl Iodide	4.088	142	56304	16.656	ug/l	90
11) Tert butyl alcohol	4.936	59	39825	149.967	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	48113	19.496	ug/l	86
13) Acrolein	3.729	56	21647	110.567	ug/l	99
14) Allyl chloride	4.472	41	69930	18.930	ug/l #	94
15) Acrylonitrile	5.161	53	65789	95.172	ug/l	97
16) Acetone	3.942	43	59700	88.843	ug/l	92
17) Carbon Disulfide	4.192	76	156067	19.569	ug/l	98
18) Methyl Acetate	4.472	43	32587	18.985	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	121757	18.847	ug/l	92
20) Methylene Chloride	4.716	84	63500	18.249	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	55618	19.301	ug/l	86
22) Diisopropyl ether	6.112	45	151261	18.670	ug/l #	97
23) Vinyl Acetate	6.057	43	454337	92.576	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	94865	19.227	ug/l	98
25) 2-Butanone	6.984	43	85714	88.723	ug/l #	81
26) 2,2-Dichloropropane	6.978	77	88765	18.954	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	61438	19.211	ug/l	90
28) Bromochloromethane	7.332	49	19591	14.425	ug/l #	83
29) Tetrahydrofuran	7.344	42	51864	91.292	ug/l #	84
30) Chloroform	7.502	83	97953	19.237	ug/l	96
31) Cyclohexane	7.783	56	91007	19.217	ug/l #	83
32) 1,1,1-Trichloroethane	7.697	97	88347	19.261	ug/l	97
36) 1,1-Dichloropropene	7.917	75	78240	19.678	ug/l	98
37) Ethyl Acetate	7.076	43	36908	18.916	ug/l #	94
38) Carbon Tetrachloride	7.899	117	82703	19.970	ug/l	98
39) Methylcyclohexane	9.185	83	94255	19.299	ug/l	90
40) Benzene	8.161	78	220106	19.217	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18515m	17.946	ug/l	
42) 1,2-Dichloroethane	8.234	62	62775	19.387	ug/l	93
43) Isopropyl Acetate	8.270	43	65434	18.529	ug/l #	88
44) Trichloroethene	8.941	130	60408	19.479	ug/l	97
45) 1,2-Dichloropropane	9.215	63	52433	18.989	ug/l	96
46) Dibromomethane	9.307	93	30688	19.431	ug/l	96
47) Bromodichloromethane	9.496	83	74147	19.454	ug/l	95
48) Methyl methacrylate	9.289	41	30698	18.508	ug/l #	85
49) 1,4-Dioxane	9.295	88	7150	367.765	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	180311	93.327	ug/l	90
52) Toluene	10.246	92	141152	19.364	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	74103	18.779	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	86025	19.037	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	42496	19.176	ug/l	97
56) Ethyl methacrylate	10.508	69	51950	18.245	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	71645	19.015	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	95260	84.147	ug/l	95
59) 2-Hexanone	10.831	43	123659	92.413	ug/l	88
60) Dibromochloromethane	10.983	129	51203	19.271	ug/l	100
61) 1,2-Dibromoethane	11.087	107	40706	19.264	ug/l	100
64) Tetrachloroethene	10.715	164	57667	19.686	ug/l	98
65) Chlorobenzene	11.514	112	148396	19.396	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	54089	19.342	ug/l	97
67) Ethyl Benzene	11.593	91	267749	19.446	ug/l	98
68) m/p-Xylenes	11.703	106	208918	38.771	ug/l	95
69) o-Xylene	12.026	106	96737	19.202	ug/l	95
70) Styrene	12.044	104	164113	19.329	ug/l	95
71) Bromoform	12.209	173	31863	19.142	ug/l #	99
73) Isopropylbenzene	12.331	105	259531	19.615	ug/l	100
74) N-amyl acetate	12.142	43	55269	18.176	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	47174	19.083	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	36173m	19.847	ug/l	
77) Bromobenzene	12.611	156	58972	19.429	ug/l	97
78) n-propylbenzene	12.672	91	319235	19.811	ug/l	99
79) 2-Chlorotoluene	12.757	91	174944	19.405	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	221573	19.800	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	16013	18.353	ug/l	91
82) 4-Chlorotoluene	12.855	91	182397	19.349	ug/l	100
83) tert-Butylbenzene	13.074	119	189630	19.876	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	219567	19.956	ug/l	98
85) sec-Butylbenzene	13.251	105	283048	19.709	ug/l	99
86) p-Isopropyltoluene	13.367	119	237779	19.735	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	120257	19.520	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	120092	19.687	ug/l	98
89) n-Butylbenzene	13.696	91	218068	19.668	ug/l	99
90) Hexachloroethane	13.958	117	45392	19.696	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	105810	19.705	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7537	18.961	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	61856	19.633	ug/l	98
94) Hexachlorobutadiene	15.111	225	40237	20.713	ug/l	100
95) Naphthalene	15.233	128	114987	19.150	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	53123	19.780	ug/l	97

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

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