

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015950.D
 Acq On : 13 Oct 2023 11:49
 Operator : SY/MD
 Sample : VY1013SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1013SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

10/16/2023
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Oct 14 05:00:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	208279	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	337160	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	319436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	166439	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	109391	46.020	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.040%
35) Dibromofluoromethane	7.716	113	101406	47.774	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.540%
50) Toluene-d8	10.179	98	399733	50.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.483	95	144855	51.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.360%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32309	18.539	ug/l	98
3) Chloromethane	2.107	50	55362	17.528	ug/l	99
4) Vinyl Chloride	2.247	62	43543	19.532	ug/l	99
5) Bromomethane	2.650	94	27119	21.506	ug/l	99
6) Chloroethane	2.790	64	20940	14.534	ug/l	99
7) Trichlorofluoromethane	3.107	101	77051	20.376	ug/l	99
8) Diethyl Ether	3.522	74	24011	16.990	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.875	101	43261	20.120	ug/l	95
10) Methyl Iodide	4.070	142	49558	20.044	ug/l	98
11) Tert butyl alcohol	5.094	59	89369m	64.802	ug/l	
12) 1,1-Dichloroethene	3.851	96	41239	20.360	ug/l	92
13) Acrolein	3.729	56	52119	116.094	ug/l	100
14) Allyl chloride	4.460	41	68220	20.843	ug/l	90
15) Acrylonitrile	5.180	53	146365	117.563	ug/l	99
16) Acetone	3.985	43	168397	121.956	ug/l	91
17) Carbon Disulfide	4.168	76	125144	20.214	ug/l	98
18) Methyl Acetate	4.491	43	102354	21.370	ug/l	93
19) Methyl tert-butyl Ether	5.229	73	124238	18.297	ug/l	99
20) Methylene Chloride	4.704	84	56348	18.781	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	48162	20.342	ug/l	91
22) Diisopropyl ether	6.125	45	135553	19.944	ug/l	93
23) Vinyl Acetate	6.064	43	389749	87.164	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	81699	20.203	ug/l	98
25) 2-Butanone	7.009	43	230642	114.768	ug/l	93
26) 2,2-Dichloropropane	6.978	77	64217	19.123	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	53457	20.080	ug/l	91
28) Bromochloromethane	7.332	49	36067	19.986	ug/l	92
29) Tetrahydrofuran	7.362	42	159881	116.060	ug/l	93
30) Chloroform	7.503	83	85385	20.342	ug/l	98
31) Cyclohexane	7.777	56	73630	19.458	ug/l	87
32) 1,1,1-Trichloroethane	7.698	97	77453	20.748	ug/l	97
36) 1,1-Dichloropropene	7.911	75	66770	20.848	ug/l	98
37) Ethyl Acetate	7.082	43	73462	14.866	ug/l	98
38) Carbon Tetrachloride	7.893	117	68344	20.263	ug/l	99
39) Methylcyclohexane	9.179	83	81308	19.787	ug/l	95
40) Benzene	8.155	78	187986	20.286	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.314	41	31306	19.214	ug/l	#	90
42) 1,2-Dichloroethane	8.234	62	56985	19.165	ug/l		93
43) Isopropyl Acetate	8.277	43	98484	18.551	ug/l		92
44) Trichloroethene	8.935	130	61688	21.602	ug/l		98
45) 1,2-Dichloropropane	9.216	63	47345	20.022	ug/l		99
46) Dibromomethane	9.307	93	31054	18.684	ug/l		98
47) Bromodichloromethane	9.496	83	65457	19.503	ug/l		98
48) Methyl methacrylate	9.295	41	44541	18.994	ug/l		86
49) 1,4-Dioxane	9.356	88	29830	643.552	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.075	43	388421	99.277	ug/l		91
52) Toluene	10.246	92	123128	20.782	ug/l		94
53) t-1,3-Dichloropropene	10.465	75	75907	20.171	ug/l		99
54) cis-1,3-Dichloropropene	9.929	75	77647	19.194	ug/l	#	87
55) 1,1,2-Trichloroethane	10.648	97	50645	21.402	ug/l		97
56) Ethyl methacrylate	10.514	69	77511	20.923	ug/l		86
57) 1,3-Dichloropropane	10.788	76	84438	21.033	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.783	63	174706	107.470	ug/l		93
59) 2-Hexanone	10.837	43	423119	126.692	ug/l		86
60) Dibromochloromethane	10.984	129	56294	20.919	ug/l		98
61) 1,2-Dibromoethane	11.087	107	54133	21.141	ug/l		100
64) Tetrachloroethene	10.721	164	61055	21.926	ug/l		96
65) Chlorobenzene	11.514	112	136310	20.366	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.593	131	50953	20.565	ug/l		98
67) Ethyl Benzene	11.593	91	240470	20.548	ug/l		99
68) m/p-Xylenes	11.703	106	188255	41.682	ug/l		95
69) o-Xylene	12.032	106	89392	20.702	ug/l		97
70) Styrene	12.044	104	152990	20.819	ug/l		96
71) Bromoform	12.209	173	43723	20.723	ug/l	#	98
73) Isopropylbenzene	12.331	105	235031	19.948	ug/l		99
74) N-amyl acetate	12.148	43	95426	20.047	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	68031	18.798	ug/l		98
76) 1,2,3-Trichloropropane	12.636	75	72818m	22.356	ug/l		
77) Bromobenzene	12.611	156	58840	19.893	ug/l		88
78) n-propylbenzene	12.672	91	287166	20.042	ug/l		99
79) 2-Chlorotoluene	12.758	91	163082	20.124	ug/l		99
80) 1,3,5-Trimethylbenzene	12.813	105	199763	20.407	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.380	75	28252	20.432	ug/l		93
82) 4-Chlorotoluene	12.855	91	171716	20.617	ug/l		99
83) tert-Butylbenzene	13.075	119	170649	19.839	ug/l		99
84) 1,2,4-Trimethylbenzene	13.123	105	199065	20.259	ug/l		97
85) sec-Butylbenzene	13.251	105	258592	20.257	ug/l		100
86) p-Isopropyltoluene	13.367	119	216956	20.338	ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	115565	20.345	ug/l		99
88) 1,4-Dichlorobenzene	13.447	146	116953	20.389	ug/l		98
89) n-Butylbenzene	13.697	91	205772	20.513	ug/l		97
90) Hexachloroethane	13.965	117	41378	20.238	ug/l		91
91) 1,2-Dichlorobenzene	13.739	146	109845	20.611	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24467	23.633	ug/l		87
93) 1,2,4-Trichlorobenzene	15.007	180	72532	20.706	ug/l		99
94) Hexachlorobutadiene	15.111	225	36565	20.558	ug/l		97
95) Naphthalene	15.239	128	240613	21.173	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	68795	20.485	ug/l		99

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

