

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103023\
 Data File : VY016125.D
 Acq On : 30 Oct 2023 11:28
 Operator : SY/MD
 Sample : VY1030SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 01:27:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	212391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	343309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	307975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110765	52.447	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.900%			
35) Dibromofluoromethane	7.716	113	110795	51.121	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.240%			
50) Toluene-d8	10.179	98	408154	50.841	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.483	95	142356	51.694	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26581	18.134	ug/l	94
3) Chloromethane	2.113	50	32765	18.242	ug/l	96
4) Vinyl Chloride	2.247	62	37998	18.518	ug/l	95
5) Bromomethane	2.638	94	28895	18.945	ug/l	98
6) Chloroethane	2.784	64	26466	18.830	ug/l	98
7) Trichlorofluoromethane	3.119	101	61616	18.764	ug/l	99
8) Diethyl Ether	3.528	74	21664	19.684	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.900	101	36637	18.495	ug/l	97
10) Methyl Iodide	4.089	142	46761	18.474	ug/l	96
11) Tert butyl alcohol	4.948	59	30276	113.450	ug/l	98
12) 1,1-Dichloroethene	3.869	96	33863	18.658	ug/l	90
13) Acrolein	3.723	56	24667	93.776	ug/l	98
14) Allyl chloride	4.479	41	54032	19.045	ug/l	94
15) Acrylonitrile	5.162	53	55105	102.061	ug/l	97
16) Acetone	3.942	43	54746	95.637	ug/l	92
17) Carbon Disulfide	4.192	76	87945	17.518	ug/l	96
18) Methyl Acetate	4.479	43	40472	19.997	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	105956	20.472	ug/l	99
20) Methylene Chloride	4.716	84	47967	17.762	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	39003	18.539	ug/l	94
22) Diisopropyl ether	6.119	45	120713	19.458	ug/l	90
23) Vinyl Acetate	6.058	43	331717	99.799	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	73411	19.642	ug/l	98
25) 2-Butanone	6.984	43	77964	100.913	ug/l	91
26) 2,2-Dichloropropane	6.978	77	68416	19.691	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	47358	19.168	ug/l	96
28) Bromochloromethane	7.332	49	30419	19.894	ug/l	87
29) Tetrahydrofuran	7.350	42	45804	103.330	ug/l	90
30) Chloroform	7.509	83	77835	19.714	ug/l	100
31) Cyclohexane	7.783	56	61573	18.532	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	69457	19.613	ug/l	97
36) 1,1-Dichloropropene	7.917	75	57726	19.108	ug/l	99
37) Ethyl Acetate	7.070	43	32981	21.299	ug/l	96
38) Carbon Tetrachloride	7.899	117	62008	19.409	ug/l	98
39) Methylcyclohexane	9.185	83	68531	18.621	ug/l	91
40) Benzene	8.161	78	164250	19.203	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	16036m	19.788	ug/l	
42) 1,2-Dichloroethane	8.240	62	51013	20.641	ug/l	95
43) Isopropyl Acetate	8.271	43	59514	20.556	ug/l	93
44) Trichloroethene	8.941	130	46545	19.488	ug/l	97
45) 1,2-Dichloropropane	9.222	63	42522	19.643	ug/l	98
46) Dibromomethane	9.307	93	26041	20.516	ug/l	97
47) Bromodichloromethane	9.496	83	60703	19.774	ug/l	98
48) Methyl methacrylate	9.295	41	27641	20.723	ug/l	89
49) 1,4-Dioxane	9.301	88	7068	445.068	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	160096	104.794	ug/l	92
52) Toluene	10.246	92	106708	19.428	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	62735	19.985	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	71347	20.098	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	36753	20.379	ug/l	95
56) Ethyl methacrylate	10.514	69	48420	20.891	ug/l #	85
57) 1,3-Dichloropropane	10.789	76	60455	20.053	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	124011	107.477	ug/l	93
59) 2-Hexanone	10.831	43	117701	104.589	ug/l	89
60) Dibromochloromethane	10.984	129	43944	19.898	ug/l	98
61) 1,2-Dibromoethane	11.087	107	34805	20.154	ug/l	99
64) Tetrachloroethene	10.721	164	38712	18.995	ug/l	96
65) Chlorobenzene	11.520	112	119362	19.722	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	45096	19.952	ug/l	98
67) Ethyl Benzene	11.593	91	208991	19.441	ug/l	99
68) m/p-Xylenes	11.703	106	162385	39.034	ug/l	94
69) o-Xylene	12.032	106	77687	19.506	ug/l	97
70) Styrene	12.044	104	130939	19.723	ug/l	97
71) Bromoform	12.209	173	27982	20.324	ug/l #	99
73) Isopropylbenzene	12.331	105	208593	19.450	ug/l	100
74) N-amyl acetate	12.142	43	52714	20.158	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	43641	19.906	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	34496m	22.172	ug/l	
77) Bromobenzene	12.611	156	49188	19.652	ug/l	97
78) n-propylbenzene	12.672	91	252038	19.409	ug/l	100
79) 2-Chlorotoluene	12.758	91	141353	19.436	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	172691	19.394	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	15005	20.958	ug/l	91
82) 4-Chlorotoluene	12.855	91	146196	19.384	ug/l	98
83) tert-Butylbenzene	13.075	119	151651	19.160	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	171384	19.489	ug/l	98
85) sec-Butylbenzene	13.258	105	229143	19.438	ug/l	99
86) p-Isopropyltoluene	13.373	119	192246	19.544	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	97080	19.208	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	98628	19.745	ug/l	99
89) n-Butylbenzene	13.697	91	177272	19.319	ug/l	97
90) Hexachloroethane	13.965	117	36215	18.910	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	89220	19.938	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7190	20.890	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	55484	20.042	ug/l	99
94) Hexachlorobutadiene	15.117	225	31577	19.652	ug/l	97
95) Naphthalene	15.239	128	116328	21.546	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	47424	19.864	ug/l	97

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

