

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030220\
 Data File : VY001812.D
 Acq On : 02 Mar 2020 12:06
 Operator : SY/MD
 Sample : VY0302SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0302SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:11:42 AM

Quant Time: Mar 02 13:52:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	174264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	311433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	281311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	134076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	89057	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.74	113	84747	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
50) Toluene-d8	10.19	98	348223	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.49	95	125189	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	28006	16.487	ug/l	99
3) Chloromethane	2.13	50	40910	17.905	ug/l	95
4) Vinyl Chloride	2.26	62	40005	17.359	ug/l	100
5) Bromomethane	2.66	94	26894	18.673	ug/l	97
6) Chloroethane	2.81	64	25511	17.964	ug/l	96
7) Trichlorofluoromethane	3.15	101	56923	19.300	ug/l	99
8) Diethyl Ether	3.55	74	22741	19.558	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36989	19.953	ug/l	100
10) Methyl Iodide	4.11	142	41416	18.254	ug/l	99
11) Tert butyl alcohol	4.99	59	22262	85.892	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	36340	19.219	ug/l	94
13) Acrolein	3.75	56	13546	71.554	ug/l	98
14) Allyl chloride	4.51	41	65150	19.361	ug/l	99
15) Acrylonitrile	5.20	53	60830	102.066	ug/l	100
16) Acetone	3.97	43	53111	81.887	ug/l	98
17) Carbon Disulfide	4.22	76	109804	17.395	ug/l	99
18) Methyl Acetate	4.50	43	31296	22.157	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	102912	19.549	ug/l	96
20) Methylene Chloride	4.75	84	47623	20.672	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	41285	19.138	ug/l	98
22) Diisopropyl ether	6.15	45	136194	19.708	ug/l	94
23) Vinyl Acetate	6.09	43	423054	93.851	ug/l	100
24) 1,1-Dichloroethane	6.05	63	73969	20.027	ug/l	99
25) 2-Butanone	7.02	43	80050	90.855	ug/l	97
26) 2,2-Dichloropropane	7.01	77	60787	18.916	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	46545	19.547	ug/l	99
28) Bromochloromethane	7.36	49	29045	18.878	ug/l	99
29) Tetrahydrofuran	7.37	42	51702	97.085	ug/l	99
30) Chloroform	7.53	83	70509	19.537	ug/l	97
31) Cyclohexane	7.81	56	73757	18.729	ug/l	94
32) 1,1,1-Trichloroethane	7.73	97	57282	18.885	ug/l	97
36) 1,1-Dichloropropene	7.94	75	56564	19.014	ug/l	99
37) Ethyl Acetate	7.10	43	33472	18.852	ug/l	99
38) Carbon Tetrachloride	7.92	117	49565	18.969	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	74386	18.848	ug/l	98
40) Benzene	8.18	78	172327	19.697	ug/l	100
41) Methacrylonitrile	7.35	41	17207m	19.301	ug/l	
42) 1,2-Dichloroethane	8.26	62	45136	18.937	ug/l	98
43) Isopropyl Acetate	8.29	43	64651	19.191	ug/l	99
44) Trichloroethene	8.96	130	42195	19.320	ug/l	99
45) 1,2-Dichloropropane	9.23	63	44307	20.221	ug/l	97
46) Dibromomethane	9.32	93	22118	19.300	ug/l	98
47) Bromodichloromethane	9.51	83	53488	19.338	ug/l	99
48) Methyl methacrylate	9.31	41	28153	18.478	ug/l	94
49) 1,4-Dioxane	9.32	88	6173	381.367	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	167373	96.700	ug/l	100
52) Toluene	10.25	92	106225	19.464	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	58725	19.205	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	68308	19.410	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	33834	20.022	ug/l	98
56) Ethyl methacrylate	10.52	69	48091	18.970	ug/l	99
57) 1,3-Dichloropropane	10.80	76	59281	19.743	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	128386	125.111	ug/l	98
59) 2-Hexanone	10.84	43	118481	91.232	ug/l	99
60) Dibromochloromethane	10.99	129	35800	19.215	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30756	19.249	ug/l	98
64) Tetrachloroethene	10.73	164	33927	19.212	ug/l	98
65) Chlorobenzene	11.52	112	109374	19.474	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	36488	19.259	ug/l	98
67) Ethyl Benzene	11.60	91	202819	19.460	ug/l	99
68) m/p-Xylenes	11.70	106	152533	39.178	ug/l	99
69) o-Xylene	12.03	106	71841	19.409	ug/l	98
70) Styrene	12.05	104	124138	19.298	ug/l	99
71) Bromoform	12.22	173	19756	18.247	ug/l #	99
73) Isopropylbenzene	12.33	105	193568	18.951	ug/l	100
74) N-amyl acetate	12.15	43	60345	18.512	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	42011	19.263	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	28917m	18.801	ug/l	
77) Bromobenzene	12.61	156	42257	19.084	ug/l	96
78) n-propylbenzene	12.67	91	241704	19.430	ug/l	99
79) 2-Chlorotoluene	12.76	91	133272	19.101	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	162211	19.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	15052	18.567	ug/l	93
82) 4-Chlorotoluene	12.86	91	140392	19.078	ug/l	98
83) tert-Butylbenzene	13.08	119	140388	19.853	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	162035	19.223	ug/l	99
85) sec-Butylbenzene	13.26	105	201988	19.421	ug/l	99
86) p-Isopropyltoluene	13.38	119	175703	19.447	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	82975	19.322	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	83604	19.260	ug/l	99
89) n-Butylbenzene	13.70	91	184952	20.033	ug/l	99
90) Hexachloroethane	13.97	117	32314	18.982	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	75151	18.963	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6446	17.909	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	49642	18.902	ug/l	99
94) Hexachlorobutadiene	15.12	225	25135	19.245	ug/l	100
95) Naphthalene	15.24	128	114819	18.962	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	44281	19.166	ug/l	99

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

