

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001827.D
 Acq On : 03 Mar 2020 12:26
 Operator : SY/MD
 Sample : VY0303SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:58 PM

Quant Time: Mar 04 04:05:38 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	7.81	168	181117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	327615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	294380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	139202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	93542	48.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.74	113	85988	45.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.66%	
50) Toluene-d8	10.19	98	352512	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.49	95	125425	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30846	17.472	ug/l	99
3) Chloromethane	2.12	50	42731	17.995	ug/l	96
4) Vinyl Chloride	2.26	62	43570	18.191	ug/l	100
5) Bromomethane	2.65	94	29747	19.872	ug/l	96
6) Chloroethane	2.80	64	27953	18.939	ug/l	99
7) Trichlorofluoromethane	3.13	101	64797	21.138	ug/l	99
8) Diethyl Ether	3.55	74	25449	21.059	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40706	21.127	ug/l	99
10) Methyl Iodide	4.10	142	43175	18.309	ug/l	99
11) Tert butyl alcohol	4.97	59	27369	106.755	ug/l	97
12) 1,1-Dichloroethene	3.89	96	40072	20.391	ug/l	93
13) Acrolein	3.74	56	14205	72.196	ug/l	96
14) Allyl chloride	4.50	41	74060	21.176	ug/l	98
15) Acrylonitrile	5.19	53	68304	110.270	ug/l	99
16) Acetone	3.96	43	62123	92.158	ug/l	99
17) Carbon Disulfide	4.21	76	120287	18.334	ug/l	99
18) Methyl Acetate	4.50	43	35994	24.519	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	115531	21.116	ug/l	99
20) Methylene Chloride	4.73	84	62597	26.143	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	44782	19.973	ug/l	94
22) Diisopropyl ether	6.13	45	153477	21.369	ug/l	94
23) Vinyl Acetate	6.08	43	483108	103.118	ug/l	99
24) 1,1-Dichloroethane	6.04	63	82286	21.435	ug/l	98
25) 2-Butanone	7.00	43	93098	101.666	ug/l	99
26) 2,2-Dichloropropane	7.00	77	68162	20.409	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	52475	21.203	ug/l	99
28) Bromochloromethane	7.35	49	32461	20.299	ug/l	98
29) Tetrahydrofuran	7.37	42	59281	107.105	ug/l	98
30) Chloroform	7.52	83	77349	20.621	ug/l	98
31) Cyclohexane	7.80	56	82412	20.135	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	65668	20.830	ug/l	99
36) 1,1-Dichloropropene	7.93	75	63998	20.451	ug/l	99
37) Ethyl Acetate	7.09	43	39442	21.117	ug/l	98
38) Carbon Tetrachloride	7.91	117	55825	20.310	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81134	19.543	ug/l	94
40) Benzene	8.17	78	190041	20.649	ug/l	99
41) Methacrylonitrile	7.34	41	24816m	26.461	ug/l	
42) 1,2-Dichloroethane	8.25	62	51172	20.409	ug/l	99
43) Isopropyl Acetate	8.28	43	74248	20.951	ug/l	99
44) Trichloroethene	8.96	130	46919	20.422	ug/l	88
45) 1,2-Dichloropropane	9.23	63	48820	21.181	ug/l	99
46) Dibromomethane	9.31	93	25355	21.031	ug/l	99
47) Bromodichloromethane	9.50	83	60045	20.637	ug/l	98
48) Methyl methacrylate	9.30	41	32523	20.292	ug/l	98
49) 1,4-Dioxane	9.31	88	7070	415.210	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	193105	106.056	ug/l	99
52) Toluene	10.25	92	118027	20.559	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	65542	20.376	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	77710	20.991	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	38141	21.456	ug/l	97
56) Ethyl methacrylate	10.52	69	54965	20.611	ug/l	99
57) 1,3-Dichloropropane	10.80	76	66163	20.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	142595	133.250	ug/l	97
59) 2-Hexanone	10.84	43	138173	101.140	ug/l	98
60) Dibromochloromethane	10.99	129	38916	19.856	ug/l	99
61) 1,2-Dibromoethane	11.10	107	35039	20.846	ug/l	98
64) Tetrachloroethene	10.73	164	38063	20.597	ug/l	97
65) Chlorobenzene	11.52	112	120798	20.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	40147	20.250	ug/l	98
67) Ethyl Benzene	11.60	91	225606	20.685	ug/l	99
68) m/p-Xylenes	11.71	106	167869	41.203	ug/l	100
69) o-Xylene	12.03	106	80467	20.775	ug/l	99
70) Styrene	12.05	104	139313	20.696	ug/l	99
71) Bromoform	12.22	173	22919	20.228	ug/l #	96
73) Isopropylbenzene	12.34	105	217028	20.465	ug/l	99
74) N-amyl acetate	12.15	43	68986	20.383	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	46754	20.648	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	35133m	22.002	ug/l	
77) Bromobenzene	12.61	156	47252	20.554	ug/l	96
78) n-propylbenzene	12.68	91	267084	20.679	ug/l	100
79) 2-Chlorotoluene	12.77	91	148173	20.455	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	180440	20.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16824	19.988	ug/l	95
82) 4-Chlorotoluene	12.86	91	155953	20.413	ug/l	99
83) tert-Butylbenzene	13.08	119	151336	20.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	180787	20.657	ug/l	100
85) sec-Butylbenzene	13.26	105	222710	20.625	ug/l	100
86) p-Isopropyltoluene	13.38	119	196701	20.969	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	91368	20.493	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	93137	20.666	ug/l	99
89) n-Butylbenzene	13.70	91	201413	21.013	ug/l	99
90) Hexachloroethane	13.97	117	36622	20.721	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	84881	20.630	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7257	19.420	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	55464	20.342	ug/l	99
94) Hexachlorobutadiene	15.12	225	26754	19.730	ug/l	97
95) Naphthalene	15.25	128	128926	20.507	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	49790	20.756	ug/l	99

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

